

# [KO Validated] NOX4 Rabbit Polyclonal Antibody



CAB11274

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

65kDa

### Calculated MW:

6kDa/25-31kDa/58-66kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene encodes a member of the NOX-family of enzymes that functions as the catalytic subunit the NADPH oxidase complex. The encoded protein is localized to non-phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular oxygen to various reactive oxygen species (ROS). The ROS generated by this protein have been implicated in numerous biological functions including signal transduction, cell differentiation and tumor cell growth. A pseudogene has been identified on the other arm of chromosome 11. Alternative splicing results in multiple transcript variants.

## Immunogen information

### Gene ID:

50507

### Uniprot

Q9NPH5

### Synonyms:

NOX4; KOX; KOX-1; RENOX

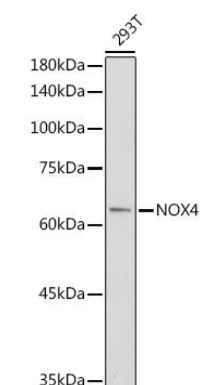
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 328-578 of human NOX4 (NP\_058627.1).

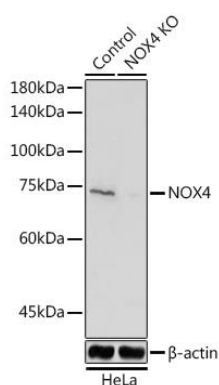
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

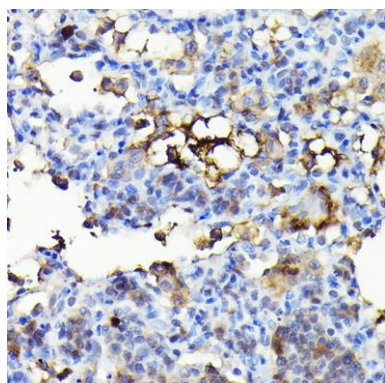
## Product Images



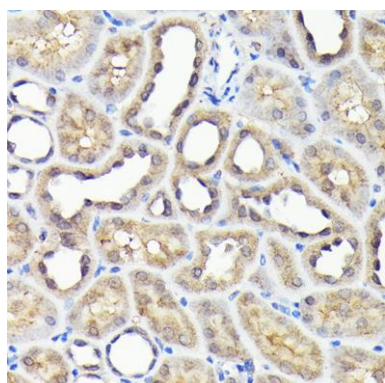
Western blot analysis of extracts of 293T cells, using NOX4 antibody (CAB11274) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Western blot analysis of extracts from normal (control) and NOX4 Rabbit pAb knockout (KO) HeLa cells, using NOX4 Rabbit pAb antibody (CAB11274) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 60s.



Immunohistochemistry of paraffin-embedded rat lung using NOX4 Rabbit pAb (CAB11274) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat kidney using NOX4 Rabbit pAb (CAB11274) at dilution of 1:100 (40x lens).